

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended). A wireless network simulation system for simulating wireless network performances for planning a wireless network over a predetermined layout, said system comprising:

a template database that comprises a plurality of test-bed templates produced by using a database of existing and past site surveys of a variety of locations and sites, and a plurality of simulation templates produced by using a variety of simulation models of actual and fictitious layouts having a plurality of templates of wireless performance data, said performance data is obtained through site surveys of a variety of location and sites;

a template identifier that operable to access the template database that comprises a simulation template database and a test-bed template database, wherein the template identifier is adapted to receive search terms and search through the simulation template data and the test-bed template database for identifying matching templates from the template database based on said search terms, wherein the search terms include design factors relating to the predetermined layout;

a wireless network performance contour overlay generator that operable to receive desired performance parameters and process the matching template based on the design factors of the wireless network and create wireless network performance contour overlays from the desired performance parameters extracted from said matching templates; and

a wireless network performance contour overlay superimposer that operable to receive said predetermined layout and superimpose at least one each of said wireless network performance contour overlays onto said predetermined layout producing a to produce superimposed layouts; thereby a suitable superimposed layout is selected for implementation.

Claim 2 (Canceled)

Claim 3 (Canceled).

Claim 4 (Original). The system in accordance with claim 1, further comprising a display means for displaying said superimposed layout.

Claim 5 (Original). The system in accordance with claim 1, further comprising a reproduction means for printing said superimposed layout onto some media means.

Claim 6 (Previously presented). A method for simulating wireless network performance for planning a wireless network over a predetermined layout, said method comprising the steps:

- a. receiving the predetermined layout and search terms, wherein the search terms include design factors relating to the predetermined layout;
- b. accessing a template database that comprises a plurality of test-bed templates produced by using a database of existing and past site surveys of a variety of locations and sites, and a plurality of simulation templates produced by using a variety of simulation models of actual and fictitious layouts having a plurality of templates of wireless performance data;
- c. identifying matching templates from the template database, based on said search terms;
- d. creating network performance contour overlays from the performance parameters extracted from said matching templates based on the design factors; and
- e. superimposing the network performance contour overlays onto said predetermined layout;

wherein

~~the step b, further comprises searching a simulation template database and a test-bed template database in said template database; and~~

the step d further comprises:

- d1. receiving desired performance parameters;
- d2. extracting said desired performance parameters data from said matching templates in said template database; and
- d3. generating network performance contour overlays from said desired performance parameters data.

Claim 7 (Canceled).

Claim 8 (Canceled).

Claim 9 (Previously presented). The method in accordance with claim 6, after step e, comprising step f:

Assigning a matching template if step e produces no matching template.